

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000183

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04B 3/54, H04B 3/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04B, H03G, H04M, H03F, H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02071573 A1 (INCA SYSTEM CO, LTD), 12 Sept 2002 (12.09.2002), claims 1-5, abstract --	1-7
A	WO 016881 A1 (CALIBRE, INC), 23 August 2001 (23.08.2001), claims 1-11, abstract --	1-7
A	US 5838726 A (NEMOTO, K ET AL), 17 November 1998 (17.11.1998), claims 1-5, abstract --	1-7
A	EP 0632602 A2 (ALCATEL STANDARD ELECTRICA, S A), 26 May 1994 (26.05.1994), claims 1-8, abstract --	1-7

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

19 August 2004

Date of mailing of the international search report

20-08-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer

ROGER BOU FAISAL /LR
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000183

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0267887 A1 (TELEFONAKTIEBOLAGET L M ERICSSON), 18 May 1988 (18.05.1988), claims 1-7, abstract -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/07/2004

International application No.

PCT/FI 2004/000183

WO	02071573	A1	12/09/2002	CN	1373535 A	09/10/2002
				KR	2002071704 A	13/09/2002
				TW	523643 B	00/00/0000

WO	016881	A1	23/08/2001	NONE		
----	--------	----	------------	------	--	--

US	5838726	A	17/11/1998	JP	9018523 A	17/01/1997
----	---------	---	------------	----	-----------	------------

EP	0632602	A2	26/05/1994	DE	69429475 D,T	01/08/2002
				ES	1024745 U,Y	01/10/1993
				ES	2076079 A,B	16/10/1995
				NO	310048 B	07/05/2001
				NO	941911 A	01/12/1994

EP	0267887	A1	18/05/1988	DE	3773124 A	24/10/1991
				SE	455455 B,C	11/07/1988
				SE	8604821 A	12/05/1988
				US	4843345 A	27/06/1989